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APPLICANT : POLA CHEM IND INC;

INVENTOR : NAKAMURA TADAO;

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TITLE : DISCRIMINATION METHOD OF ORGANISM STATE

ABSTRACT : PROBLEM TO BE SOLVED: To establish an organism state discrimination method that is appropriate to the monitoring of the organism state, the selection of an organism treatment agent, or the like by using the analysis result of hair and/or one part of the hair as an index.

SOLUTION: The analysis result of hair and/or the root of the hair that is one part of the hair is used as an index for discriminating the state of an organism. An analysis value used as the index includes metal contents such as manganese, zinc, iron, and calcium, change in entire form or partial structure such as the disturbance of cuticle structure, the amount and distribution of a protein fragment, namely, those of a thiol group, carbonium ion group, an amino group, or the like, and change in a physical constant such as the fluctuation of constitution amino acid, tensile strength and shear stress, and partial color irregularity. The hair is used as it is, or is cut from the root of the hair by nearly the same length for measuring for each position, thus obtaining past history according to the change of a measurement value. The growth speed of the hair is approximately 0.2 to 0.5 mm per day, thus using the numerical value for grasping an accurate past organism state.

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